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## FLWEMS Paramedic Medication Information For:

# RECEMIC EPINEPHRINE

### Indications

Moderate to Severe Croup Respiratory Syncytial Virus (Bronchiolitis)

### Mechanism

Alpha-adrenergic effect Mucosal vasoconstriction decreases subglottic edema Rapid response in croup (within 10 minutes) Consider Croup Differential Diagnosis if no response Effect dissipates in 2 hours

## **Pharmacokinetics**

Effects last 90 to 120 minutes

## **Precautions**

Avoid too frequent use due to tachyphylaxis Observe 2-4 hours after racemic Epinephrine Patient may go home safely if no worsening in 3 hours

### Dose

Nebulizer mix
Racemic Epinephrine (2.25%)
Child under 6 months: 0.25 ml
Child: 0.5 ml
Adolescent: 0.75 ml
Normal Saline 2.0 to 3.5 ml
Frequency of dosing
Nebulized Epinephrine may be repeated in 30 minutes
Monitor Heart Rate closely with repeat dosing

## **Efficacy: Bronchiolitis**

Significantly more effective than Beta-agonist Reduced hospital admissions significantly Reduced time spent in emergency room significantly References

# **END OF INFORMATION - NOTHING FOLLOWS**